

Work Order ID 153639

Wednesday, November 23, 2016 11:10:57 A

15.36.39

Page 1

Item ID: D119-796-015

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Float Protection Installation

Start Date: 11/23/2016 Start Qty: 20.00

20

Cust Item ID:

Required Date: 11/30/2016 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan:

DAS
21
9-89

Date: NOV 23 2016

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9756

A

100

100

DC

Doc.Control -USB or Paperwork

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile & type labels per PPP D119-796-015 CHG001

JAN 20 2017

DAS
6
9-89

DAS
21
9-89

1701-23
20

20X DAS
28
9-89

FEB 02 2017

110

Pick Kit

0.00

110

Packaging

Packaging

Memo

0.00

JAN 23 2017

20 DAS
6
9-89

DAS
21
9-89

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

Memo

0.00

20X DAS
28
9-89

FEB 02 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐			
Misidentified ☐		Past Due ☐					

Work Order ID 153639***153639***

Page 2

Wednesday, November 23, 2016 11:10:57 A

Item ID: D119-796-015

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Float Protection Installation

Start Date: 11/23/2016 Start Qty: 20.00

20

Cust Item ID:

Required Date: 11/30/2016 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D119-796-015
Location: Fg/25

20x

DAS
28
9-89DAS
27
9-89

FEB 02 2017

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

DAS
21
9-89

FEB 02 2017

DAS
21
9-89

FEB 02 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
10				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Wednesday, November 23, 2016 11:11:11 AM

Work Order ID: 153639

153639

Parent Item: D119-796-015

D119-796-015

Parent Item Name: Float Protection Installation

Start Date: 11/23/2016

Required Date: 11/30/2016

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A 16-11-11 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5449-1 Float Saddle Washer		Manufactured	No				Each	0.0000		80			
D5449-1									**	154961			

DAS
28
9-89

DAS 27
9-89
JAN 20 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER :							

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-796 REV. E OR EARLIER AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-796 REV. 3 OR EARLIER

REF. TCCA STC: SH14-45
REF. FAA STC: SR03504NY
REF. EASA STC: 10052022
REF. DGCA INDIA LOA: 07-09/2011-AED
REF. BRASIL STC: 2015S07-16
REF. PHILLIPPINES LOA: C-16-0221
REF. CHINA VSTC: VSTC0757
REF. RUSSIA TC: CT316-A119

UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE

WORK ORDER
NO. 153639 MJS

16-11-23

RETURN TO
ENGINEERING

SHOP COPY

1.0 PURPOSE

It has come to DART Aerospace's attention that in an emergency water landing, the threads on the Thru Bolts that fasten the Skidtube Saddles to the DART Crosstubes may prove to be a hazard when deploying the Float System and may puncture the Float Bags.

The purpose of this DART Service Instruction is to provide instructions to replace the NAS1149C0532R & D3672-7 Washers on the inboard face of Skidtube Saddles with the D5449-1 Float Saddle Washer. The D5449-1 Float Saddle Washer is designed to protect the Float Bags from the threaded portion of the Thru Bolts.

2.0 CHANGE

2.1 Refer to section 3.1 of IIN-D119-796 Rev. E and earlier; rename Figures 3.1 and 3.2 to Figure 3.1a and 3.2a respectively. Insert Figure 3.1b and 3.2b from this service instruction.

2.2 Refer to section 3.1 of IIN-D119-796 Rev. E and earlier and modify as follows:

IS: 3.1.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.1a.

Customers installing Emergency Float Kits are required to procure the D119-796-015 Float Protection Kit. For customers installing Emergency Floats, substitute the inboard NAS1149C0532R & D3672-7 Washers with the D5449-1 Float Saddle Washer as shown in Figure 3.1b.

3.1.2 For installation with OEM skid tubes/saddles loosely install (qty 2) AN5C32A Bolts, (qty 6) AN5C7A Bolts, (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.2a.

Customers installing Emergency Float Kits are required to procure the D119-796-015 Float Protection Kit. For customers installing Emergency Floats, substitute the inboard NAS1149C0563R Washers with the D5449-1 Float Saddle Washer as shown in Figure 3.2b.

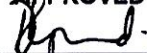
WAS: 3.1.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.1.

3.1.2 For installation with OEM skid tubes/saddles loosely install (qty 2) AN5C32A Bolts, (qty 6) AN5C7A Bolts, (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.2.

Continues on Sheet 2

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.07.25
CERT. NO.: SH14-45
ISSUE NO.: 1

APPROVED

A	NEW ISSUE (SEE PAR16-538)	AJS	16.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JH		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9756	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FLOAT PROTECTION KIT	NTS
DATE	16.07.25	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Continued from Sheet 1

2.3 Refer to Chapter 32 of ICA-D119-796 Rev. 3 and earlier; rename Figures 32.4 and 32.5 to Figure 32.4a and 32.5a respectively. Insert Figure 32.4b and 32.5b from this service instruction.

2.4 Refer to section 32.2.1 of ICA-D119-796 Rev. 3 and earlier and modify as follows:

IS: 32.2.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.4a.

For customers installing Emergency Floats, substitute the inboard NAS1149C0532R & D3672-7 Washers with the D5449-1 Float Saddle Washer as shown in Figure 32.4b.

32.2.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A, (qty 6) AN5C7A Bolts and (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.5a.

For customers installing Emergency Floats, substitute the inboard NAS1149C05632R Washers with the D5449-1 Float Saddle Washer as shown in Figure 32.5b.

WAS: 32.2.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.4.

32.2.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A, (qty 6) AN5C7A Bolts and (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.5.

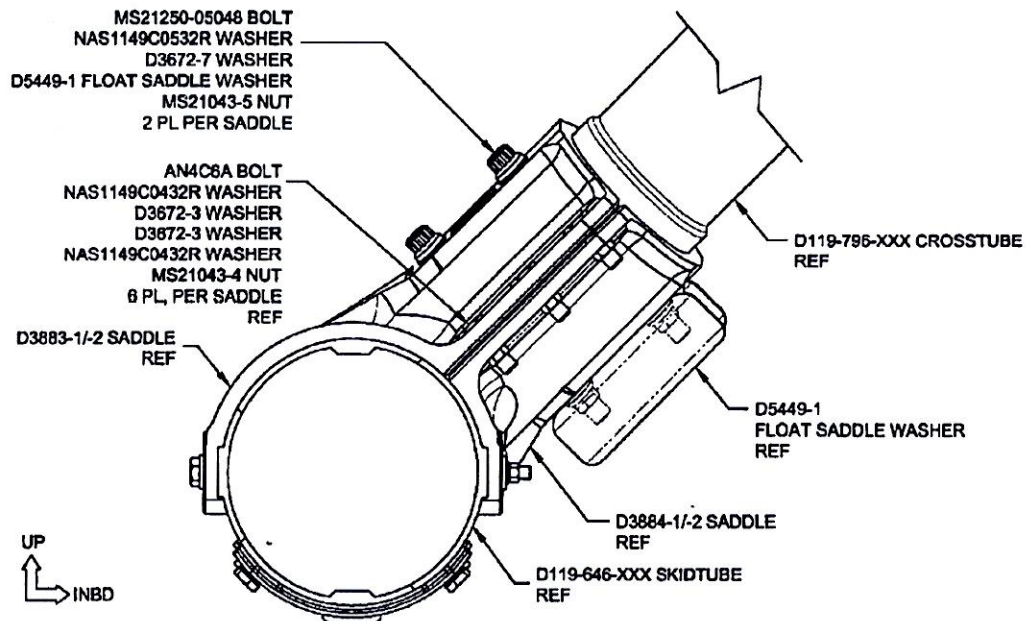


Figure 3.1b/32.4b Installation of D119-796-XXX Crosstube to Dart D119-646-XXX Skidtubes
(For Installation With Emergency Float Kits)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.07.25
CERT. NO.: SH14-45
ISSUE NO.: 1

APPROVED

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JH		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9756	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	Float PROTECTION KIT	NTS
DATE	16.07.25	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

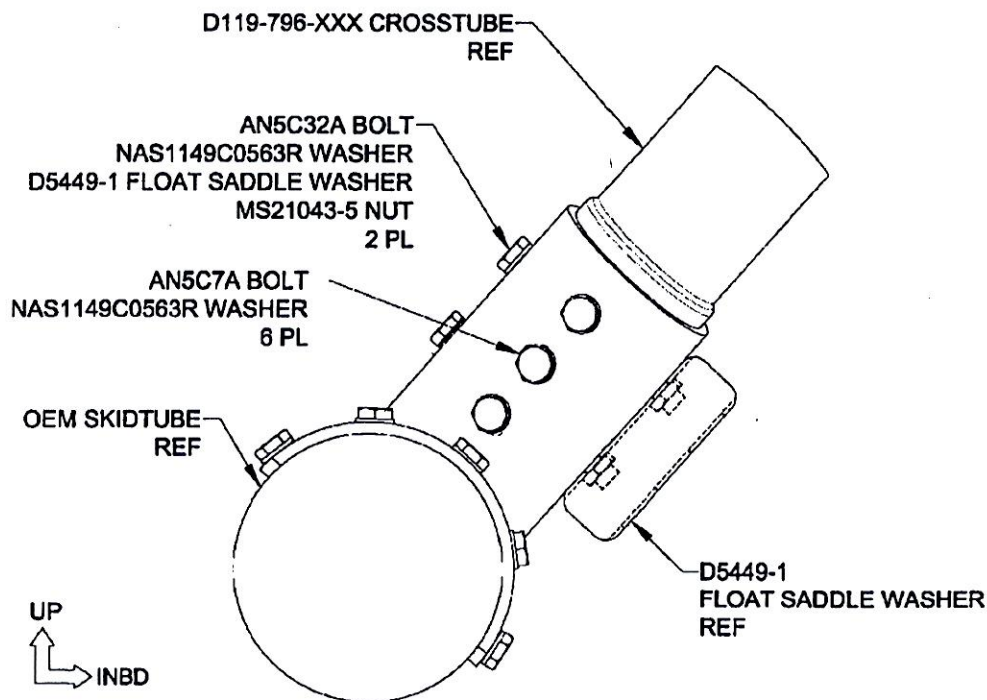


Figure 3.2b/32.5b Installation of D119-796-XXX Crosstube to OEM Skidtubes
(For Installation With Emergency Float Kits)

3.0 PARTS LIST

Qty -015	Part Number	Description
X	D119-796-015	FLOAT PROTECTION KIT
4	D5449-1	FLOAT SADDLE WASHER

4.0 WEIGHT AND BALANCE

There is a negligible weight and balance change associated with this modification.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.07.25
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ISSUE NO.: 1

APPROVED

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9756	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS HS	FLOAT PROTECTION KIT	NTS
DATE	16.07.25	COPYRIGHT © 2016 BY DART AEROSPACE LTD.	
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DQA: _____ Date: _____



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QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER :			
Misidentified ☐		Past Due ☐					